

MURAKAMI, Akira  
Appl. No. 10/058,236  
September 24, 2004

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for producing a substrate blank that is an intermediate for a substrate, which comprises press-molding a glass in a softened state with a mold having an upper mold member having a sleeve and a lower mold member having a sleeve to produce the substrate blank having the form of a thin plate, wherein the glass in a softened state is press-molded without causing any surrounding edge portion of the blank under the production to come into contact with the mold or either of the mold sleeves, to produce the substrate blank at least having no notch portion and the surrounding edge portion having a free surface.

2. (Currently Amended) A method for producing a substrate blank that is an intermediate for a substrate, which comprises press-molding a glass in a softened state with a mold having an upper mold member having a sleeve and a lower mold member having a sleeve to produce the substrate blank having the form of a thin plate, wherein the glass in a softened state is press-molded without causing any surrounding edge portion of the blank under the production to come into contact with the mold or either of the mold sleeves, to produce the substrate blank having flat front and reverse surfaces and a surface formed of the surrounding edge portion and the surrounding edge portion having a free surface.

3. (Currently Amended) A method for producing a substrate blank that is an intermediate for a substrate, which comprises press-molding a glass in a softened state with a mold having an upper mold member having a sleeve and a lower mold member having a sleeve to produce the substrate blank having the form of a thin plate, wherein the glass in a softened state is press-molded without causing any surrounding edge portion of the blank under the production to come

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into contact with the mold or either of the mold sleeves, to produce the substrate blank having a thickness whose minimum value is greater than the maximum value of thickness of a glass substrate to be obtained from said substrate blank and the surrounding edge portion having a free surface.

4. (Currently Amended) A method for producing a substrate blank that is an intermediate for a substrate, which comprises press-molding a glass in a softened state with a mold having an upper mold member having a sleeve and a lower mold member having a mold sleeve to produce the substrate blank having the form of a thin plate, wherein the glass in a softened state is press-molded without causing any surrounding edge portion of the blank under the production to come into contact with the mold or either of the mold sleeves, to produce the substrate blank having a large-thickness portion and a small-thickness portion whose thickness is the smallest, the small-thickness portion having a larger area than the large-thickness portion and the surrounding edge portion having a free surface.

5. (Previously Presented) The method of claim 3, wherein the substrate blank is formed to have one of a structure in which the substrate blank has a small-thickness portion in a central portion and a large-thickness portion in a circumferential portion, a structure in which the substrate has a large-thickness portion in a central portion and a small-thickness portion in a circumferential portion, and a structure in which the blank has a large-thickness portion in each of a central portion and a circumferential portion and a small-thickness portion between the circumferential portion and the central portion.

6. (Previously Presented) The method of claim 1, wherein a molten glass as the glass in a softened state is supplied onto the lower mold member and press-molded.

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7. (Previously Presented) The method of claim 1, wherein the mold having upper and lower mold members is adjusted to have a lower temperature than the glass in a softened state to press-mold the glass.

8. (Previously Presented) The method of claim 1, wherein the substrate blank has the form of a disk.

9. (Previously Presented) The method of claim 1, wherein the substrate blank has a thickness whose minimum value and maximum value are both in the range of from 0.8mm to 2.2mm.

10. (Previously Presented) The method of claim 1, wherein the substrate blank is for use as an intermediate for a substrate for an information recording medium.

11. (Previously Presented) A method for producing a substrate, which comprises cutting and polishing the substrate blank produced by the method recited in claim 1.

12. (Original) The method of claim 11, which further comprises the step of heat treatment for crystallizing the glass.

13. (Original) A method for producing an information recording medium, which comprises preparing a substrate blank for an information recording medium according to the method recited in claim 10, cutting and polishing said substrate blank to produce a substrate for an information recording medium, and forming an information recording layer on the substrate.

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